



Z8 Encore!

Flash Microcontrollers

Development Kit

Get the ZiLOG Z8 Encore!® Microcontroller (MCU) Development Kit today and see how perfectly the Z8 Encore!® MCUs fit into applications such as motor control, security systems, systems monitoring, personal electronic devices, home appliances, and home automation. You'll receive a complete development platform – including all hardware and software – plus a full-version ANSI C-Compiler.

And ZiLOG delivers extra value after you've finished evaluation, because our kit then serves as your complete Z8 Encore!® product development solution. Evaluate, Design, Build – it's that simple. There's nothing else to buy. Discover the value and flexibility Z8 Encore!® MCU brings to your next design. Order your ZiLOG Z8 Encore!® MCU Development kit today!

Z8 Encore!® MCU Development Kit* Contents:

Hardware

- Z8 Encore!® Development Board
- Smart Cable (DB9 to six-pin male)
- 5VDC Universal Power Supply

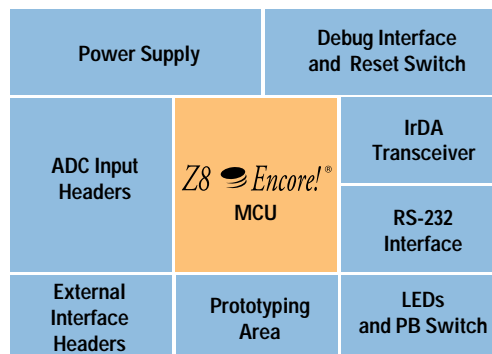
Software

- ZDS II Integrated Development Environment (IDE)
- ANSI C-Compiler
- Sample Code

Documentation/CD-ROM

- Quick Start Guide
- Development Kit User Manual
- ZDS II User Manual
- eZ8 CPU User Manual
- Product Specification
- Product Briefs
- Application Notes

Development Board Block Diagram



Features:

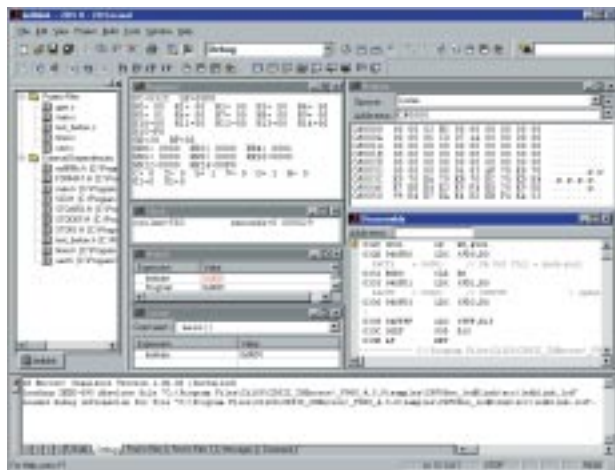
- MCU Features
 - 20MHz performance
 - Up to 12-channel, 10-bit A/D Converter
 - Up to 64KB of Flash
 - Up to 4KB SRAM
 - SPI and I2C Ports
 - Up to two 9-bit UARTs
 - Up to 24 Interrupts
 - Up to four 16-bit Timers with PWMs
 - Single-pin, On-chip Debugger
 - 3-channel DMA (16-64KB parts only)
- Development Board Features
 - RS-232 interface
 - LEDs (3)
 - IrDA transceiver
 - Push Buttons (2)
 - 5VDC power connector
 - On-Chip Debugger interface
 - Header for ADC input
 - Prototyping area
 - External interface connectors



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Z8 Encore![®] MCU ZDS II IDE GUI

ZiLOG Developer Studio II Integrated Development Environment is a complete suite of software tools that supports development with the Z8 Encore![®] MCU. Its easy-to-use Windows-based GUI provides an environment that accelerates the edit, compile, and debug cycle. Included in ZDS II are a language sensitive editor, project manager, compiler, assembler, linker, librarian, and debugger.

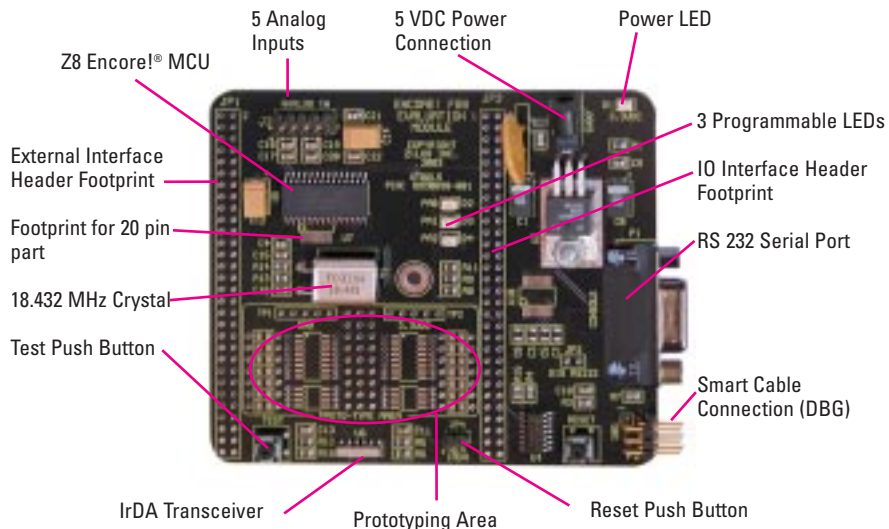
MCU Supported Parts

Device	Memory		Core Speed (MHz)	I/O Lines	Interrupts	16-Bit Timers w/PWMs	10-Bit A/D Channels	DMA Controller	SPI and I ² C	UARTs	Operating Voltage	Extended Temp	Pin Count	Development Kit
	Flash (Bytes)	RAM (Bytes)												
Z8F64	64K	4K	20	60	24	4	12	yes	yes	2	3.0V to 3.6V	-40° to 105°	40,44,64,68,80	Z8F64200100KIT
Z8F48	48K	4K	20	60	24	4	12	yes	yes	2	3.0V to 3.6V	-40° to 105°	40,44,64,68,80	Z8F64200100KIT
Z8F32	32K	2K	20	46	24	4	12	yes	yes	2	3.0V to 3.6V	-40° to 105°	40,44,64,68	Z8F64200100KIT
Z8F24	24K	2K	20	46	24	4	12	yes	yes	2	3.0V to 3.6V	-40° to 105°	40,44,64,68	Z8F64200100KIT
Z8F16	16K	2K	20	46	24	4	12	yes	yes	2	3.0V to 3.6V	-40° to 105°	40,44,64,68	Z8F64200100KIT
Z8F08	8K	1K	20	19	19	2	5	-	yes	1	2.7V to 3.6V	-40° to 105°	20,28	Z8F08200100KIT
Z8F04	4K	1K	20	19	19	2	5	-	yes	1	2.7V to 3.6V	-40° to 105°	20,28	Z8F08200100KIT



For the latest soon to be released ZiLOG Z8 Encore![®] MCU parts visit www.zilog.com/z8encore

PDIP, SOIC, and SSOP package types available for 4KB and 8KB parts
PDIP, LQFP, PLCC, and QFP package types available for 16KB to 64KB parts



C-Compiler

A full version ANSI C-Compiler is included in this kit at no additional cost allowing you to begin your design immediately. The C-compiler supports a powerful configurable optimizer allowing code to be optimized for speed or size.

Smart Cable

This small circuit board provides reliable and robust communication between your desktop PC and the development board. It converts RS-232 signals into 3.3V bidirectional open-drain signals needed to communicate with the on-chip debugger of the eZ8 core. Use it for your development board and again with your final product's hardware.

*Z8 Encore![®] MCU Development Kit Ordering Information

Part number: Z8F08200100KIT

Description: Complete development kit with development board (supporting 4-8KB Z8 Encore![®] MCUs), ZDS II IDE, ANSI-C-Compiler and documentation

Part number: Z8F64200100KIT

Description: Complete development kit with development board (supporting 16-64KB Z8 Encore![®] MCUs), ZDS II IDE, ANSI-C-Compiler and documentation